AMENDMENTS TO THE CLAIMS

Please amend the claims as follows, and cancel the claims marked as cancelled, without prejudice.

1-40. (Canceled)

41. (Currently Amended) A system for receiving in vivo signals transmitted from within a body, the system comprising:

a receiver, said receiver comprising an amplifier and a switching unit;

a plurality of antennas adapted to be placed on the body connected to the receiver, wherein the plurality of antennas are to receive an in vivo signal transmitted from within the body; and

a recorder adapted to be worn on a patient's body, wherein the recorder is separated from the receiver; ~~and~~

~~wherein the receiver and the recorder are separately modifiable~~

wherein said switching unit is configured to transfer to the amplifier at least one signal received from at least one antenna from the plurality of antennas;

wherein the amplifier is configured to amplify the at least one signal received from the switching unit and send said signal to the recorder; and

wherein the switching unit is located an electrically shorter distance to the plurality of antennas than the recorder.

42. (Canceled)

43. (Canceled)

44. (Canceled)

45. (Canceled)

46. (Canceled)

47. (Cancelled)

48. (Cancelled)

49. (Previously Presented) The system according to claim 41, wherein the plurality of antennas comprises a radio frequency antenna.

50. (Currently Amended) The system according to claim 41, wherein the recorder is connected to the receiver by a [[the]] cable [[is]] to transfer a signal selected from a group consisting of: radio frequency signals, control data, and energy.

51. (Cancelled)

52. (Previously Presented) The system according to claim 41, wherein the receiver is able to adjust its operation according to the number of antennas of the plurality of antennas used.

53. (Previously Presented) The method according to claim 63, further comprising:
receiving signals by a plurality of antennas;
selecting a signal from the plurality of antennas;
amplifying the signal; and.
routing the selected signal to a recorder.

54. (Cancelled)

55. (Previously Presented) The method according to claim 53, wherein the signals are pre-amplified prior to said routing.

56. (Previously Presented) The method according to claim 53, wherein the selecting and the amplifying is performed in a unit separate from a recorder.

57. (Cancelled)

58. (Previously Presented) The method according to claim 53, wherein selecting a signal comprises selecting the strongest signal from the plurality of antennas.

59. (Previously Presented) The system according to claim 41 wherein said plurality of antennas are arranged in a pattern selected from the group consisting of: a centralized pattern and a circular pattern.

60. (Previously Presented) The system according to claim 41, wherein each of the receiver and the recorder is separately replaceable.

61. (Currently amended) The system according to claim 41, wherein the recorder is configured to detect the presence or absence of the receiver.

62. (Currently amended) The system according to claim 41, wherein the recorder is configured to automatically identify the type of the receiver ~~receivers~~.

63. (Currently Amended) A method for operating ~~adjusting operation of~~ an in vivo sensing system, the method comprising:

at a receiver, receiving, from a plurality of antennas adapted to be placed on a body and connected to the receiver, in vivo signals transmitted from within the body, said receiver comprising an amplifier and a switching unit; and

at the switching unit, transferring to the amplifier a signal received from at least one antenna from the plurality of antennas;

at the amplifier, amplifying the signal and sending the signal to a recorder, wherein the recorder is separated from the receiver and the recorder is adapted to be worn on a patient's body;

wherein the switching unit is located an electrically shorter distance to the plurality of antennas than the recorder

~~detecting the presence of at least one antenna connected to a receiver~~

~~identifying the type of the at least one connected antenna; and~~

~~automatically adjusting operation of a receiver according to the identified type of antenna~~.

64. (Currently Amended) The method according to claim 63 further comprising:
detecting the arrangement of [[the]] at least one of the plurality of antennas ~~connected antenna, wherein~~ and the adjusting operation of the receiver ~~is performed~~ according to the ~~identified~~ arrangement.

65. (Currently Amended) The method according to claim 63 further comprising:
detecting the number of antennas connected to [[a]] the receiver; and
automatically adjusting operation of the receiver according to the number of antennas identified.

66. (Previously Presented) A method for adjusting operation of an in vivo sensing system, the method comprising:
detecting the presence of a receiver connected to a recorder;
identifying the type of the receiver; and
automatically adjusting operation of the recorder according to the type of receiver identified.

67. (Currently Amended) The method according to claim 66 wherein adjusting the operation of the recorder is selected from the group consisting [[of]] of: not recording data, recording data indicating a receiver is not connected, and stopping to record data.

68. (New) The system according to claim 41, wherein the at least one signal is the strongest signal received by the plurality of antennas.